

## LEARNING TRAILS

### AJB SECONDARY

Grade: 10

Date: Week 10 - 6th to 10th March 2023

| SUBJECTS   | LESSONS AND CONCEPTS  | LEARNING OBJECTIVES   | ASSIGNMENTS AND ASSESSMENT   |
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| <b>ARABIC LANGUAGE _<br/>ARABS</b><br><br><b>UNIT: 3</b><br><br><b>LESSON: مراجعة</b>                            | <ul style="list-style-type: none"> <li>• الاستثناء</li> <li>• التشبيه</li> <li>• الاستعارة</li> </ul>   | <ul style="list-style-type: none"> <li>• أن يعرب أسلوب</li> <li>• الاستثناء إعراباً صحيحاً</li> <li>• أن يميز التشبيه البليغ</li> <li>• من التشبيه تام الأركان</li> <li>• أن يحدد الفكرة الرئيسة</li> <li>• والفكر الفرعية لقصة الكرتونة</li> </ul> | <ul style="list-style-type: none"> <li>• بوربوينت</li> <li>• الكتاب المدرسي</li> <li>• أنشطة تعليمية</li> <li>• حل أسئلة منصة ألف</li> </ul> |
| <b>ARABIC LANGUAGE_<br/>GENERAL HG</b><br><br><b>UNIT: 3&amp;4</b><br><br><b>LESSON: مهارات لغوية<br/>ونحوية</b> | <ul style="list-style-type: none"> <li>• أسلوب الاستفهام</li> <li>• أسلوب التعجب</li> <li>• الضمائر</li> <li>• أسماء الإشارة</li> <li>• الجمل المثبتة والمنفية</li> </ul> | <ul style="list-style-type: none"> <li>• يحدد نوع الأسلوب</li> <li>• يميز بين الجمل المثبتة والمنفية</li> <li>• يجيب عن الأنشطة التعليمية بالحصص الدراسية</li> </ul>  | <ul style="list-style-type: none"> <li>• أنشطة تعليمية صفية</li> <li>• أوراق عمل</li> </ul>  |
| <b>ISLAMIC STUDIES_<br/>ARABS</b><br><br><b>UNIT:</b><br><br><b>LESSON:</b>                                      | <ul style="list-style-type: none"> <li>•</li> </ul>   | <ul style="list-style-type: none"> <li>•</li> </ul>   | <ul style="list-style-type: none"> <li>•</li> </ul>  |
| <b>ISLAMIC STUDIES –<br/>ENGLISH</b><br><br><b>UNIT:</b><br><br><b>LESSON:</b>                                   | <ul style="list-style-type: none"> <li>•</li> </ul>   | <ul style="list-style-type: none"> <li>•</li> </ul>   | <ul style="list-style-type: none"> <li>•</li> </ul>  |
| <b>ENGLISH LANGUAGE</b><br><br><b>UNIT:</b><br><br><b>LESSON:</b>  | <ul style="list-style-type: none"> <li>•</li> </ul>   | <ul style="list-style-type: none"> <li>•</li> </ul>   | <ul style="list-style-type: none"> <li>•</li> </ul>  |

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| <p><b>MATHEMATICS</b></p> <p><b>UNIT: All</b></p> <p><b>LESSON: all lessons</b></p>   | <ul style="list-style-type: none"> <li>Review the topics</li> </ul>  | <ul style="list-style-type: none"> <li>To solve past papers</li> </ul>  | <ul style="list-style-type: none"> <li>Past papers</li> <li>Peer and self-assessment</li> <li>Class Test</li> </ul>                           |
| <p><b>PHYSICS</b></p> <p><b>UNIT: All</b></p> <p><b>LESSON: Paper 6 Revision</b></p>  | <ul style="list-style-type: none"> <li>Light</li> <li>Electrical; Quantities</li> <li>Electric Circuits</li> </ul>   | <ul style="list-style-type: none"> <li>Investigate the resistance of a resistor</li> <li>Investigate image formed by a converging lens</li> </ul>   | <ul style="list-style-type: none"> <li>Peer assessment</li> <li>Self-assessment</li> <li>Past paper discussion</li> <li>Quizzes</li> </ul>    |
| <p><b>CHEMISTRY</b></p> <p><b>UNIT: Stoichiometry</b></p> <p><b>LESSON: Moles</b></p> | <ul style="list-style-type: none"> <li>Moles</li> <li>Mass</li> <li>Molar mass</li> <li>Reacting masses</li> <li>Limiting reactant</li> <li>Volume of gases</li> <li></li> </ul> | <ul style="list-style-type: none"> <li>Calculate stoichiometric reacting masses, limiting reactants, volumes of gases at r.t.p., volumes of solutions and concentrations of solutions expressed in g /dm<sup>3</sup> and mol/dm<sup>3</sup>, including conversion between cm<sup>3</sup> and dm<sup>3</sup></li> <li>Use experimental data from a titration to calculate the moles of solute, or the concentration or volume of a solution</li> <li>Calculate empirical formulae and molecular formulae, given appropriate data</li> <li>Calculate percentage yield, percentage composition by mass and percentage purity, given appropriate</li> </ul> | <ul style="list-style-type: none"> <li>Peer assessment</li> <li>Self-assessment</li> <li>Past paper discussion</li> <li>Worksheets</li> </ul> |



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|   |  | data  |   |
| <p><b>BIOLOGY</b></p> <p><b>UNIT: 20 Human influences on ecosystem</b></p> <p><b>LESSON: 20.1 Food supply</b></p> | <ul style="list-style-type: none"> <li>• how humans have increased food production</li> <li>• monocultures of crop plants</li> </ul> | <ul style="list-style-type: none"> <li>• Describe how humans have increased food production, limited to: (a) agricultural machinery to use larger areas of land and improve efficiency (b) chemical fertilisers to improve yields (c) insecticides to improve quality and yield (d) herbicides to reduce competition with weeds (e) selective breeding to improve production by crop plants and livestock</li> <li>• Describe the advantages and disadvantages of large-scale monocultures of crop plants</li> <li>• Describe the advantages and disadvantages of intensive livestock production</li> </ul> | <ul style="list-style-type: none"> <li>• Past papers (6)</li> <li>• Worksheets</li> </ul> |
| <p><b>INFORMATION &amp; COMMUNICATION TECHNOLOGY (ICT)</b></p> <p><b>UNIT:</b></p> <p><b>LESSON:</b></p>          | <ul style="list-style-type: none"> <li>•</li> </ul>  | <ul style="list-style-type: none"> <li>•</li> </ul>   | <ul style="list-style-type: none"> <li>•</li> </ul>                                       |



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| <p><b>ECONOMICS</b></p> <p><b>UNIT:</b></p> <p><b>LESSON:</b></p>                               | <ul style="list-style-type: none"> <li>•</li> </ul>          | <ul style="list-style-type: none"> <li>•</li> </ul>  | <ul style="list-style-type: none"> <li>•</li> </ul>    |
| <p><b>ACCOUNTING</b></p> <p><b>UNIT: Revision</b></p> <p><b>LESSON: IGCSE 0452 concepts</b></p> | <p>Paper 12</p>  | <p>To apply the concepts in solving MCQ s</p>  | <p>MCQ Sheet</p> <p>Self assessment and discussion</p> |
| <p><b>BUSINESS STUDIES</b></p> <p><b>UNIT: Revision</b></p> <p><b>LESSON: 0450</b></p>          | <ul style="list-style-type: none"> <li>• Paper 22</li> </ul> | <p>To coach the students to apply relevant data and facts to solve answers based on "Insert"</p> | <p>Solving past papers</p>                             |